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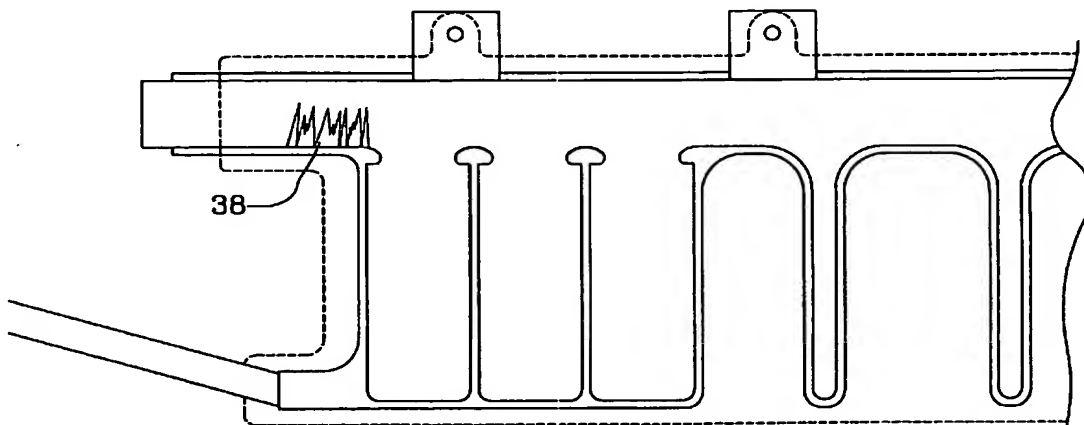
(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000609 A1

- (51) International Patent Classification⁷: **B60R 21/16**
- (21) International Application Number: PCT/SE2003/000975
- (22) International Filing Date: 12 June 2003 (12.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0214396.4 21 June 2002 (21.06.2002) GB
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN AIR-BAG



(57) Abstract: An air-bag (2) comprising an inflatable element having an inflatable region (4) and a gas inlet throat (20) extending from the inflatable region, a gusset (38) of excess fabric being present in the region proximate to the junction between the gas inlet throat and the inflatable region.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00975

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B60R 21/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6273456 B1 (J. HEIGL), 14 August 2001 (14.08.01) --	1-17
A	US 6073961 A (B.J. BAILEY ET AL), 13 June 2000 (13.06.00) --	1-17
A	US 6293581 B1 (N. SAITA ET AL), 25 Sept 2001 (25.09.01) --	1-17
A	US 2002036396 A1 (A. FISCHER), 28 March 2002 (28.03.02) --	1-17

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

9 Sept. 2003

Date of mailing of the international search report

09 -09- 2003

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00975**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p data-bbox="266 317 821 380">US 200220991 A1 (T. TANASE ET AL), 21 February 2002 (21.02.02)</p> <p data-bbox="610 415 740 457">-- -----</p>	1-17

INTERNATIONAL SEARCH REPORT
Information on patent family members

26/07/03

International application No.

PCT/SE 03/00975

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	6273456	B1	14/08/01	DE	19939339 A	24/02/00
				DE	29814990 U	17/12/98
				US	6312010 B	06/11/01

US	6073961	A	13/06/00	BR	9909265 A	05/12/00
				EP	1054790 A	29/11/00
				JP	2002503581 T	05/02/02
				US	6237941 B	29/05/01
				WO	9942333 A	26/08/99

US	6293581	B1	25/09/01	JP	3089473 B	18/09/00
				JP	2000296749 A	24/10/00
				JP	3324996 B	17/09/02
				JP	2000296752 A	24/10/00
				JP	3138816 B	26/02/01
				JP	2000296753 A	24/10/00
				JP	3324997 B	17/09/02
				JP	2000296750 A	24/10/00
				JP	3052085 B	12/06/00
				JP	2000296754 A	24/10/00
				JP	3082140 B	28/08/00
				JP	2000296751 A	24/10/00

US	2002036396	A1	28/03/02	DE	20016717 U	15/02/01
				EP	1197400 A	17/04/02

US	200220991	A1	21/02/02	NONE		